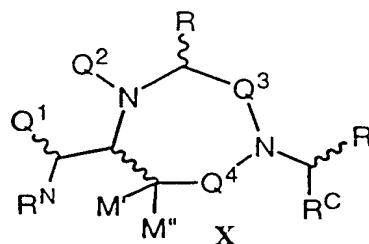
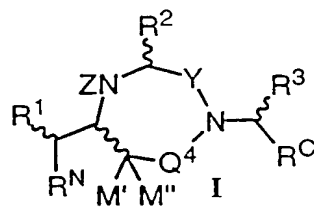


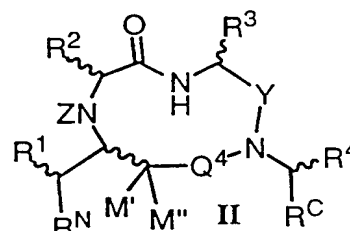
1/2



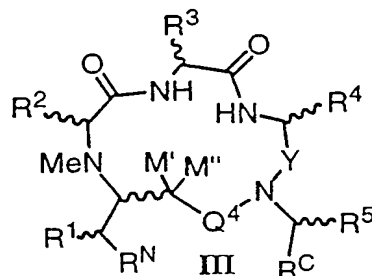
| | Q ⁴ | Y |
|-------|---------------------------------------|-----------------|
| (i) | -CH(M)- | C(O) |
| (ii) | -C(O)- | CH ₂ |
| (iii) | -CH(Q ⁵)CH ₂ - | C(O) |
| (iv) | -CH(Q ⁵)C(O)- | CH ₂ |



| | Q ⁴ | Y |
|-------|----------------|-----------------|
| I(i) | CH(M) | C(O) |
| I(ii) | C(O) | CH ₂ |

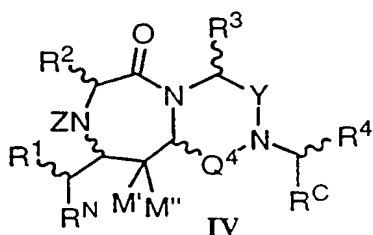


| | Q ⁴ | Y |
|---------|----------------------|-----------------|
| II(i) | CH(M) | C(O) |
| II(ii) | C(O) | CH ₂ |
| II(iii) | CH(M)CH ₂ | C(O) |
| II(iv) | CH(M)C(O) | CH ₂ |

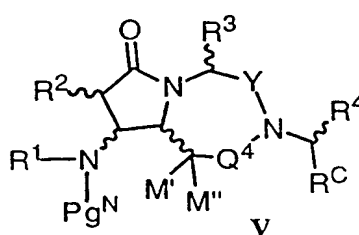


| | Q ⁴ | Y |
|----------|----------------------|-----------------|
| III(i) | CH(M) | C(O) |
| III(ii) | C(O) | CH ₂ |
| III(iii) | CH(M)CH ₂ | C(O) |
| III(iv) | CH(M)C(O) | CH ₂ |

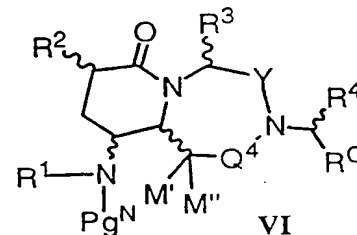
Figure 1. General structure of the mimetic systems and preferred cyclic turn and loop mimetic systems. Refer to the main text for a full description of the Q, R, Pg, Z and M groups.



| | Q ⁴ | Y |
|--------|-----------------|-----------------|
| IV(i) | CH ₂ | C(O) |
| IV(ii) | C(O) | CH ₂ |



| | Q ⁴ | Y |
|-------|----------------|-----------------|
| V(i) | CH(M) | C(O) |
| V(ii) | C(O) | CH ₂ |



| | Q ⁴ | Y |
|--------|----------------|-----------------|
| VI(i) | CH(M) | C(O) |
| VI(ii) | C(O) | CH ₂ |

Figure 2. Bicyclic beta turn mimetic systems. Refer to the main text for a full description of the R, Pg, Z and M groups.

Figure 3. Selected allylboron reagents